

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph on page 5, line 6 as follows:

in order to attain the first objective, the present invention ~~as defined in claim 1~~ is an order-receiving production method of a wire comprising the steps of:

Please amend the paragraph on page 5, line 16 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 2~~ is characterized in that, ~~in the method as defined in claim 1~~, an outer surface of the wire produced is monochromatic.

Please amend the paragraph on page 5, line 19 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 3~~ is characterized in that, ~~in the method as defined in claim 2~~, the outer surface of the wire produced is colored with a desired color.

Please amend the paragraph on page 5, line 22 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 4~~ is characterized in that, ~~in the method as defined in any one of claims 1-3~~, the wire produced is further crosslinked.

Please amend the paragraph on page 5, line 25 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 5~~ is an order-receiving production method of a wiring harness comprising the steps of:

Please amend the paragraph on page 6, line 12 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 6~~ is characterized in that, ~~in the method as defined in claim 5~~, an outer surface of the wire produced is monochromatic.

Please amend the paragraph on page 6, line 15 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 7~~ is characterized in that, ~~in the method as defined in claim 6~~, the outer surface of the wire produced is colored with a desired color.

Please amend the paragraph on page 6, line 18 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 8~~ is characterized in that, ~~in the method as defined in any one of claims 5-7~~, the wire produced is further crosslinked.

Please amend the paragraph on page 6, line 21 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 9~~ is an order-receiving production system of a wire comprising:

Please amend the paragraph on page 8, line 1 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 10~~ is characterized in that, ~~in the system as defined in claim 9~~, an outer surface of the wire produced is monochromatic.

Please amend the paragraph on page 8, line 4 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 11~~ is characterized in that, ~~in the system as defined in claim 10~~, the system further comprises a coloring device for coloring the outer surface of the wire produced with a desired color.

Please amend the paragraph on page 8, line 9 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 12~~ is characterized in that, ~~in the system as defined in any one of claims 9-11~~, the system further comprises a wire-crosslinking device for crosslinking the wire produced.

Please amend the paragraph on page 8, line 13 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 13~~ is characterized in that, ~~in the system as defined in claim 12~~, the wire-crosslinking device comprises:

Please amend the paragraph on page 9, line 6 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 14~~ is an order-receiving production system of a wiring harness comprising:

Please amend the paragraph on page 10, line 20 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 15~~ is characterized in that, ~~in the system as defined in claim 14~~, an outer surface of the wire produced is monochromatic.

Please amend the paragraph on page 10, line 23 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 16~~ is characterized in that, ~~in the system as defined in claim 15~~, at least one of the wire-producing department and the wiring harness-assembling department comprises a coloring device for coloring the outer surface of the wire produced with a desired color.

Please amend the paragraph on page 11, line 2 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 17~~ is characterized in that, ~~in the system as defined in any one of claims 14-16~~, at least one of the wire-producing department and the wiring harness-assembling department comprises a wire-crosslinking device for crosslinking the wire produced.

Please amend the paragraph on page 11, line 7 as follows:

In order to attain the first objective, the present invention ~~as defined in claim 18~~ is characterized in that, ~~in the system as defined in claim 17~~, the wire-crosslinking device comprises:

Please amend the beginning on the last line of page 11 as follows:

In order to attain the second objective, the present invention ~~as defined in claim 19~~ is a wire-crosslinking device comprising:

Please amend the paragraph on page 12, line 18 as follows:

According to the invention ~~described in claim 1~~, since the mixture of the pellets and the additive is extruded onto the circumference of the core wire while simultaneously mixing the pellets and the additive so that the core wire is coated with the mixture, a period of time required to produce the wire can be shorter than that in a case in which the pellets and the additive are mixed by a compounder. Therefore, even if the wire is produced after receiving an order of the wire, the wire

can be produced in a desired period of time. Further, since the wire is produced after receiving an order of the wire, an amount of the wire to be stocked in advance can be controlled.

Please amend the paragraph on page 13, line 2 as follows:

According to the invention ~~described in claim 2~~, since an outer surface of the wire, which is produced after receiving an order of the wire, is monochromatic, therefore the production efficiency of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. The color of the outer surface of the wire to be produced is preferably a bright color such as white. The outer surface of the wire to be produced may be non-colored.

Please amend the paragraph on page 14, line 9 as follows:

According to the present invention ~~described in claim 3~~, the outer surface of the wire produced is colored with a desired color to obtain the wire having the desired color.

Please amend the paragraph on page 14, line 12 as follows:

According to the present invention ~~described in claim 4~~, the wire produced is further crosslinked so as to obtain the wire, the coating of which has a specific strength.

Please amend the paragraph on page 14, line 15 as follows:

According to the present invention ~~described in claim 5~~, since the mixture of the pellets and the additive is extruded onto the circumference of the core wire while simultaneously mixing the pellets and the additive so that the core wire is coated with the mixture, a period of time required to produce the wire can be shorter than that in a case in which the pellets and the additive are mixed by a compounder. Therefore, even if the wire is produced after receiving an order of the wiring harness, the wire can be produced in a desired period of time so as to assemble the wiring harness. Further, since the wire is produced after receiving an order of the wiring harness, an amount of the wire to be stocked in advance can be controlled.

Please amend the paragraph on page 15, line 4 as follows:

According to the present invention ~~described in claim 6~~, since an outer surface of the wire, which is produced after receiving an order of the wiring harness, is monochromatic, therefore the production efficiency of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. The color of the outer surface of the wire to be produced is preferably a bright color such as white. The outer surface of the wire to be produced may be non-colored.

Please amend the paragraph on page 15, line 12 as follows:

According to the present invention ~~described in claim 7~~, the outer surface of the wire

produced is colored with a desired color to obtain the wire having the desired color. Then, the part is attached to the colored wire so as to assemble the wiring harness. Since the wire colored with various colors can be obtained, one wire can be distinguished from another wire, thereby preventing an error in wiring the wires from occurring.

Please amend the paragraph on page 15, line 19 as follows:

According to the present invention~~described in claim 8~~, the wire produced is further crosslinked so as to obtain the wire, the coating of which has a specific strength. Therefore, the wire in the wiring harness can have a predetermined strength.

Please amend the paragraph on page 15, line 23 as follows:

According to the present invention~~described in claim 9~~, the production control department forwards a first ordered quantity data indicating a necessary amount of the pellets, second ordered quantity data indicating a necessary amount of the core wire and third ordered quantity data indicating a necessary amount of the additive, each corresponding to the received order of the wire, to a first producing department, second producing department and third producing department, respectively. Therefore, after receiving the order of the wire, a necessary amount of the starting materials of the wire can securely be collected.

Please amend the paragraph on page 16, line 17 as follows:

According to the present invention ~~described in claim 10~~, since an outer surface of the wire, which is produced after receiving an order of the wire, is monochromatic, therefore the production efficiency of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. The color of the outer surface of the wire to be produced is preferably a bright color such as white. The outer surface of the wire to be produced may be non-colored.

Please amend the paragraph on page 16, line 25 as follows:

According to the present invention ~~described in claim 11~~, the system further comprises a coloring device for coloring the outer surface of the wire produced with a desired color. Therefore, the wire having the desired color can be obtained.

Please amend the paragraph on page 17, line 3 as follows:

According to the present invention ~~described in claim 12~~, the system further comprises a crosslinking device for crosslinking the wire so as to obtain the wire, the coating of which has a specific strength.

Please amend the paragraph on page 17, line 6 as follows:

According to the present invention ~~described in claim 13~~, in the wire-crosslinking device,

the wire is tied up to the pair of the rollers with the wire's sleeves tucked up inside the box and an electron beam is irradiated onto the wires situated at the center between the pair of the rollers. Therefore, by using only one irradiation unit, an electron beam can securely be irradiated onto both sides of the wire, that is, an electron beam can securely irradiated onto one face-side of the wire and onto an opposite face-side of the wire situated at the back side of the one face-side of the wire.

Please amend the paragraph on page 17, line 21 as follows:

According to the present invention ~~described in claim 14~~, the production control department forwards a first ordered quantity data indicating a necessary amount of the pellets, second ordered quantity data indicating a necessary amount of the core wire and third ordered quantity data indicating a necessary amount of the additive, each corresponding to the received order of the wire, to a first producing department; second producing department and third producing department, respectively. Therefore, after receiving the order of the wire, a necessary amount of the starting materials of the wire can securely be gathered.

Please amend the paragraph on page 18, line 18 as follows:

According to the present invention ~~described in claim 15~~, since an outer surface of the wire, which is produced after receiving an order of the wiring harness, is monochromatic, therefore the production efficiency of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. The color of the outer surface of the

wire to be produced is preferably a bright color such as white. The outer surface of the wire to be produced may be non-colored.

Please amend the paragraph beginning on the last line of page 18 as follows:

According to the present invention ~~described in claim 16~~, at least one of the wire-producing department and the wiring harness-assembling department comprises a coloring device for coloring the outer surface of the wire produced with a desired color. Therefore, the wire having the desired color can be obtained. Then, the part is attached to the colored wire so as to assemble the wiring harness. Since the wire colored with various colors can be obtained, one wire can be distinguished from another wire, thereby preventing an error in wiring the wires from occurring.

Please amend the paragraph on page 19, line 9 as follows:

According to the present invention ~~described in claim 17~~, the system further comprises a crosslinking device for crosslinking the wire so as to obtain the wire, the coating of which has a specific strength. Therefore, the wire in the wiring harness can have a predetermined strength.

Please amend the paragraph on page 19, line 13 as follows:

According to the present invention ~~described in claim 18~~, in the wire-crosslinking device, the wire is tied up to the pair of the rollers with the wire's sleeves tucked up inside the box and an electron beam is irradiated onto the wires situated at the center between the pair of the rollers.

Therefore, by using only one irradiation unit, an electron beam can securely be irradiated onto both sides of the wire.

Please amend the paragraph on page 19, line 25 as follows:

According to the present invention ~~described in claim 19~~, in the wire-crosslinking device, the wire is tied up to the pair of the rollers with the wire's sleeves tucked up inside the box and an electron beam is irradiated onto the wires situated at the center between the pair of the rollers. Therefore, by using only one irradiation unit, an electron beam can securely be irradiated onto both sides of the wire.

Please amend the paragraph on page 40, line 4 as follows:

As shown in FIG. 2, the personal computer 16a includes ~~[[deta]]~~ data-combining module 48, first production data-forming module 49, and second production data-forming module 50. The ~~[[deta]]~~ data-combining module 48 is connected to the personal computer 43a of the wiring harness order-placing department 43, personal computer 44a of the resin-producing department 44, personal computer 45a of the core wire-producing department 45, and personal computer 46a of the additive-producing department 46 through an input/output module 51. The ordered data D is inputted into the ~~[[deta]]~~ data-combining module 48.

Please amend the paragraph on page 40, line 13 as follows:

The ~~[[deta]]~~ data-combining module 48 decodes the ordered data D on the basis of a program stored in a database 52. The ~~[[deta]]~~ data-combining module 48 computes the first ordered quantity data D1 (shown in FIG. 1) indicating the product number of the pellet and the amount per the product number, which are necessary for the wire 2 in the ordered data D. The ~~[[deta]]~~ data-combining module 48 forwards the first ordered quantity data D1 to the personal computer 44a of the resin-producing department 44 through the input/output module 51.

Please amend the paragraph on page 54, line 17 as follows:

As explained above, according to the invention ~~described in claim 1~~, since the mixture of the pellets and the additive is extruded onto the circumference of the core wire while simultaneously mixing the pellets and the additive so that the core wire is coated with the mixture, a period of time required to produce the wire can be shorter than that in a case in which the pellets and the additive are mixed by a compounder. Therefore, even if the wire is produced after receiving an order of the wire, the wire can be produced in a desired period of time. Further, since the wire is produced after receiving an order of the wire, an amount of the wire to be stocked in advance can be controlled.

Please amend the paragraph on page 55, line 9 as follows:

According to the invention ~~described in claim 2~~, since an outer surface of the wire, which is produced after receiving an order of the wire, is monochromatic, therefore the production efficiency

of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. Therefore, a space for stocking the wires in advance can be reduced and a space for storing the wire during the production of the wire also can be reduced, thereby preventing the cost of the wire and the product using the wire from increasing.

Please amend the paragraph on page 55, line 18 as follows:

According to the present invention ~~described in claim 3~~, the outer surface of the wire produced is colored with a desired color to obtain the wire having the desired color.

Please amend the paragraph on page 55, line 21 as follows:

According to the present invention ~~described in claim 4~~, the wire produced is further crosslinked so as to obtain the wire, the coating of which has a specific strength.

Please amend the paragraph on page 55, line 24 as follows:

According to the present invention ~~described in claim 5~~, since the mixture of the pellets and the additive is extruded onto the circumference of the core wire while simultaneously mixing the pellets and the additive so that the core wire is coated with the mixture, a period of time required to produce the wire can be shorter than that in a case in which the pellets and the additive are mixed by a compounder. Therefore, even if the wire is produced after receiving an order of the wiring harness, the wire can be produced in a desired period of time so as to assemble the wiring harness.

Further, since the wire is produced after receiving an order of the wiring harness, an amount of the wire to be stocked in advance can be controlled.

Please amend the paragraph on page 56, line 16 as follows:

According to the present invention ~~described in claim 6~~, since an outer surface of the wire, which is produced after receiving an order of the wiring harness, is monochromatic, therefore the production efficiency of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. Therefore, a space for stocking the wires in advance can be reduced and a space for storing the wire during the production of the wire also can be reduced, thereby preventing the cost of the wire and the wiring harness using the wire from increasing.

Please amend the paragraph on page 56, line 25 as follows:

According to the present invention ~~described in claim 7~~, the outer surface of the wire produced is colored with a desired color to obtain the wire having the desired color. Then, the part is attached to the colored wire so as to assemble the wiring harness. Since the wire colored with various colors can be obtained, one wire can be distinguished from another wire, thereby preventing an error in wiring the wires from occurring. Therefore, the quality of the wiring harness can be prevented from deteriorating.

Please amend the paragraph on page 57, line 7 as follows:

According to the present invention ~~described in claim 8~~, the wire produced is further crosslinked so as to obtain the wire, the coating of which has a specific strength. Therefore, the wire in the wiring harness can have a predetermined strength. Therefore, the quality of the wiring harness can be maintained.

Please amend the paragraph on page 57, line 12 as follows:

According to the present invention ~~described in claim 9~~, the production control department forwards a first ordered quantity data indicating a necessary amount of the pellets, second ordered quantity data indicating a necessary amount of the core wire and third ordered quantity data indicating a necessary amount of the additive, each corresponding to the received order of the wire, to a first producing department, second producing department and third producing department, respectively. Therefore, after receiving the order of the wire, a necessary amount of the starting materials of the wire can securely be gathered.

Please amend the paragraph on page 58, line 13 as follows:

According to the invention ~~described in claim 10~~, since an outer surface of the wire, which is produced after receiving an order of the wire, is monochromatic, therefore the production efficiency of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. Therefore, a space for stocking the wires in advance

can be reduced and a space for storing the wire during the production of the wire also can be reduced, thereby preventing the cost of the wire and the product using the wire from increasing.

Please amend the paragraph on page 58, line 22 as follows:

According to the present invention ~~described in claim 11~~, the system further comprises a coloring device for coloring the outer surface of the wire produced with a desired color. Therefore, the wire having the desired color can be obtained.

Please amend the paragraph beginning on the last line of page 58 as follows:

According to the present invention ~~described in claim 12~~, the system further comprises a crosslinking device for crosslinking the wire so as to obtain the wire, the coating of which has a specific strength.

Please amend the paragraph on page 59, line 3 as follows:

According to the present invention ~~described in claim 13~~, in the wire-crosslinking device, the wire is tied up to the pair of the rollers with the wire's sleeves tucked up inside the box and an electron beam is irradiated onto the wires situated at the center between the pair of the rollers. Therefore, by using only one irradiation unit, an electron beam can securely be irradiated onto both sides of the wire. Accordingly, the size of the wire-crosslinking device can be reduced and a space for the order-receiving production system can be reduced.

Please amend the paragraph on page 59, line 11 as follows:

According to the present invention ~~described in claim 14~~, the production control department forwards a first ordered quantity data indicating a necessary amount of the pellets, second ordered quantity data indicating a necessary amount of the core wire and third ordered quantity data indicating a necessary amount of the additive, each corresponding to the received order of the wire, to a first producing department, second producing department and third producing department, respectively. Therefore, after receiving the order of the wire, a necessary amount of the starting materials of the wire can securely be gathered.

Please amend the paragraph on page 60, line 15 as follows:

According to the present invention ~~described in claim 15~~, since an outer surface of the wire, which is produced after receiving an order of the wiring harness, is monochromatic, therefore the production efficiency of the wire can be prevented from deteriorating and the types (i.e. types in color) of the wire to be stocked in advance can be controlled. Therefore, a space for stocking the wires in advance can be reduced and a space for storing the wire during the production of the wire also can be reduced, thereby preventing the cost of the wire and the wiring harness using the wire from increasing.

Please amend the paragraph on page 60, line 24 as follows:

According to the present invention described in claim 16, at least one of the wire-producing

department and the wiring harness-assembling department comprises a coloring device for coloring the outer surface of the wire produced with a desired color. Therefore, the wire having the desired color can be obtained. Then, the part is attached to the colored wire so as to assemble the wiring harness. Since the wire colored with various colors can be obtained, one wire can be distinguished from another wire, thereby preventing an error in wiring the wires from occurring. Therefore, the quality of the wiring harness can be prevented from deteriorating.

Please amend the paragraph on page 61, line 8 as follows:

According to the present invention ~~described in claim 17~~, the system further comprises a crosslinking device for crosslinking the wire so as to obtain the wire, the coating of which has a specific strength. Therefore, the wire in the wiring harness can have a predetermined strength. Therefore, the quality of the wiring harness can be prevented from deteriorating.

Please amend the paragraph on page 61, line 14 as follows:

According to the present invention ~~described in claim 18~~, in the wire-crosslinking device, the wire is tied up to the pair of the rollers with the wire's sleeves tucked up inside the box and an electron beam is irradiated onto the wires situated at the center between the pair of the rollers. Therefore, by using only one irradiation unit, an electron beam can securely be irradiated onto both sides of the wire. Therefore, by using only one irradiation unit, an electron beam can securely be irradiated onto both sides of the wire. Accordingly, the size of the wire-crosslinking device can be

reduced and a space for the order-receiving production system can be reduced.

Please amend the paragraph on page 61, line 24 as follows:

According to the present invention ~~described in claim 19~~, in the wire-crosslinking device, the wire is tied up to the pair of the rollers with the wire's sleeves tucked up inside the box and an electron beam is irradiated onto the wires situated at the center between the pair of the rollers. Therefore, by using only one irradiation unit, an electron beam can securely be irradiated onto both sides of the wire. Accordingly, the size of the wire-crosslinking device can be reduced.